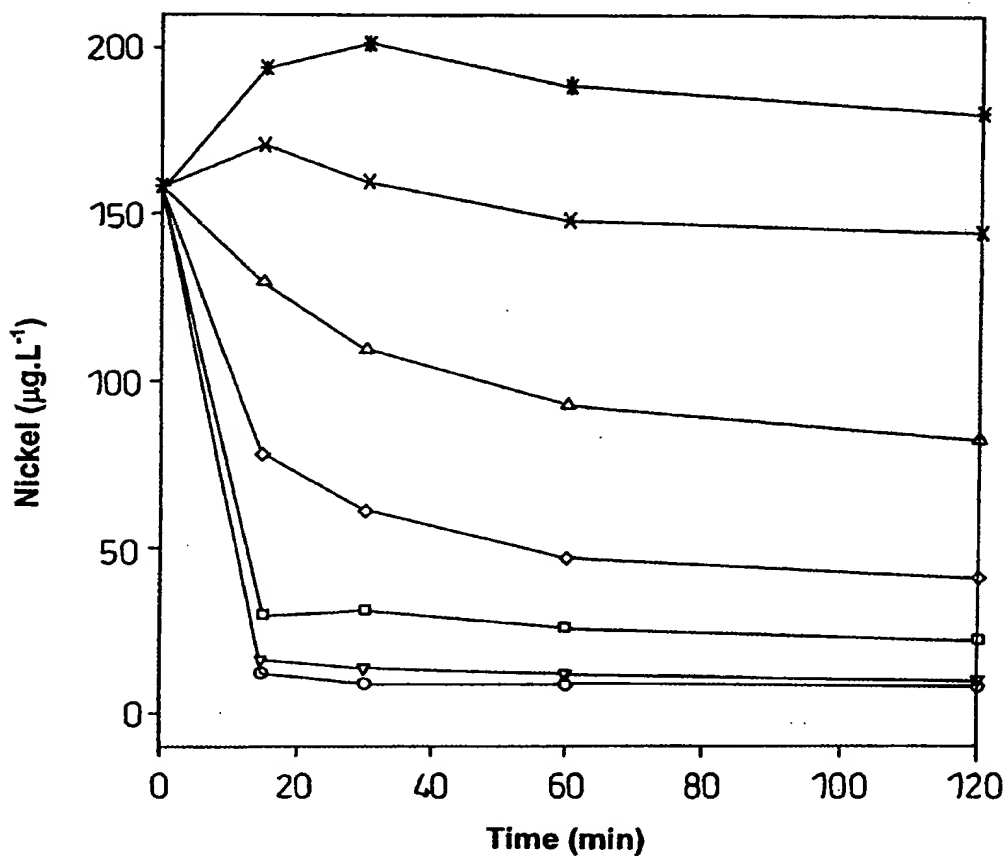




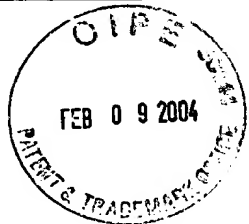
Process for the Purification of Recombinant Albumin  
H. Van Urk, D.J. Mead, P.H. Morton, A.J. Cartwright, J. Cameron, D.J. Ballance, M.G.J. Grandgeorge,  
S. Berezenko, J.R. Woodrow, D. Sleep, and J-L.B. Veron,  
Appl. No. 09/890,297

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- pH 4.0
- ▽ pH 4.5
- pH 5.0
- ◇ pH 5.5
- △ pH 6.0
- x pH 6.5
- \* pH 7.0

***Fig. 9***

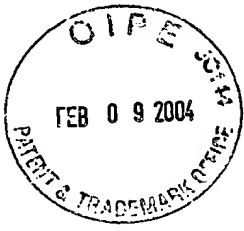


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5'-GATTGGCAGAAGAGGTATCTGCTTATGGACATGAGGGGCTTTGGCGGT  
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TGAAGAAGCTAAGGAAAACGTTAGGGCCATTCAAAGTGTCTTTTAGATTGA  
GACATGCGATGACTGGTTGTTACTTGTCTCTCCACGAAGTCAAGCTTCCC  
AAGTGGGCATATGAGCAACAAGAGGTTACTTGTGCTACTCAAGGTATCAA  
ACCCTATCTTACTGGTACGTTGAGACCAACGAAAACCCATTCTTGGATAA  
AGAGGTTGATGAAATAGTTAGCTATCCTGTTCCGACTTTCTTTCAAAGGTT  
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CTATGAATCCAGTCCAGATCTTGG-3'

**Fig. 10**

SEQ ID NO:1

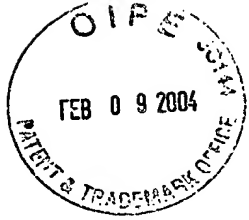


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5'-GTGTTGCAGTTGTAGTCCCACCTTGAGTATCTTGGATTTCGTTGCATTGGT  
CCTTGGTCCATCGTCCTGCATAGATCAATGGGAGAATATCTTTGGAAGAT  
AGAAAGCGCAACGGCAAAAAAGAGAACGAATATGGAGTAAGACACAACC  
TGTTTGTTTTTGAAGACATAAGAGTGAATAATCTCAAACACATGTCCGAG  
AGCCAATATACCAAAGTACAATGATGGTAGATAGTGGTGCAAAAATAGCT  
GACGGGCCATAAGGGAAAGATGGCAAGTAATGCAGTACCCATCCTAGGA  
TGTAATGAAGCATTTGAACATTGAAGTTGAGCACAGTTGGGTCAACGCTG  
AACCCAAAACCTCTTTGCCTCTCAGAATAGAGAAACCAAAAAGACAGAG  
AACAAAGCATACTTGCGGTGACTGTCACCAAGTGACAGCATTCCTATGAA  
ATAAATTG-3'

**Fig. 11**

SEQ ID NO:2



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5'-TACGTTATGGATGTGCATCCACTTCCTGAAGCTTCTCATCGGCAACCTT  
TTGAATCTGCAATTTATTATCTTCATTGAAGGCAAGCTTGAACACTTTGAC  
GGTAGAAAGACGAGCGACAACCAAGAATTGCCCGTCAGAAGTGAGATCA  
CAATGGGTGATGTTGTCCTCATCGCTTAGGACCAGTTTGGCTAATAGTTTT  
CTGCCTTGCTGAGGAAGGACTTTCATACTTTAATGGTTTGGTCTTGCCCA  
TGATCACCAGCTTCTGGGATTTATTGAAAAGGACAGTTTGATCGTTTCAG  
GGAATACTGACAGTCTTTGAATTTTCGCAGTCTTGAAACGATTCAGCTTAG  
AAACGGCTATGTCTGACAATGATGCTTCAGATAGTACAGATCGAGGTCCT  
GGATTGG-3'

**Fig. 12**

SEQ ID NO:3



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5'-GCGCAGGTGACTTCTTGCTGGAAAATGTGCTACAAGGAGGTAAAGACC  
GTGTCATTGAGGGCCTGGTTTGGTCTACTTATGACGATTACCCTCGTCGTC  
TGTTTTCCATTGGTGGTTCGACTGTGATGACCGAATGGGATATTGCTACCG  
GTTTGCCCTTAAACAACACTACGATTGTAACCTCCGGTATCACCTGGAGTATC  
AGCATCAACACAACACTCAGGATAAGATATGCGTAGGCTGTGACAATGGAA  
CTGTAGTCGTTATTGACATAAGTGGTGGACCGGGATCTCTAGTATAAGAA  
AATTGTATCCGGATGTTCTGATGGCCGATAAGGATATGGAATACGAGGAA  
G-3'

**Fig. 13**

SEQ ID NO:4

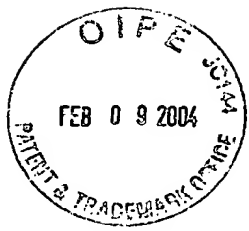


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5'-GTATTGCAGTTGTAGTCCCAGAATGAATTGCTCTTTTAATTGTTCTTTTT  
GGCTGGAGAAGTGCTCGTATGTCTTGATCGATGAGATACAGCTGAGATTT  
AAGTTGTTCTAGGTTGATAGTTGAATGTTTCAGAGTTGAGGGGTTCCATGG  
TCAAGTATAGGAGGATCCAGCTCATCTAGGGAGTGGAATTGAGTACTGAC  
ACTCATTACTGGAAGAAGTAGAAAGAGTACTGGTTTTGTGGTAAGTTCCA  
TATTTTCAGATGTCTGTAGATGGTCGAGCGAGGTGAACATTTTCATAGGAGA  
TTTCAGAGGAGTTGGACTTTGAAAATGGTGACAAAAGGTAGACAGAAGA  
AAGGTTAGAGAGTGCAGTGATTCAAGGTGGTTGCAGAAGTCC-3'

**Fig. 14**

SEQ ID NO:5

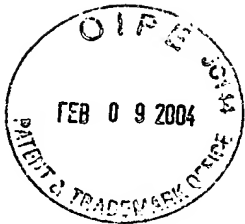


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5'-TTGAGACATGCTATGACGGGTCAAGTTTTTTAGATAAAAGTTGGACTCTTG  
GGCATGAGCGCATCCTCACATCGGCCATAGCAGATAAACGGTAGCAGTTT  
TTTTGAACGAGGCTGTAAGATAGGGGAATCTCCGTTTTTAGGCTTTCAGTG  
ACTTGTTGCATCGCAATGGGTAGATATGTTACACAGTGGCAAAAGCTCTG  
GATGCTATGAAACTGACCAAATGTGGATTAGAACTTGGAGTCTAACTATT  
TGACTCTAAGAATTTCCAATTTTTGCCTTCTACTAGCCATTTTCTACTTTC  
ATGGGACATCATCACTTATTTGCTCCCCAACCTGTCAAATACCCACCAAT  
GTTCAAGGTCG-3'

**Fig. 15**

SEQ ID NO:6



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5'-AGATTGAGACATGCTATGACGGGTTGTTACTTGTTCTCCCGCGAAGTCA  
AGCTTCCCAAGTGGGCATATGAGCAACAAGAGGTTACTTGTGCTACTCAA  
GGGTATCAAACCACTATCTTACTGGTACGTTGAGACCAACGAAAACCCAT  
TCTTGGATAAAGAGGTTGATGAAATAGTTAGCTATCCTGTTCCGACTTTCT  
TTCAAAAGGTTGCCGAGCTACACGCCAGAATGTGGAAGATCAACAAGGG  
CTTAAGTATCATCATGTCTATGAATCCAGTCCAGATTCTTGGCCCTTCCT  
GTCAGAGGTATAAGCTACTGGTCAAAAAATCACTCCAAATTATTTTCATAG  
GTAATGCTGCACTTGGTGGACAGTCACCGAAGTTTG-3'

**Fig. 16**

SEQ ID NO:7





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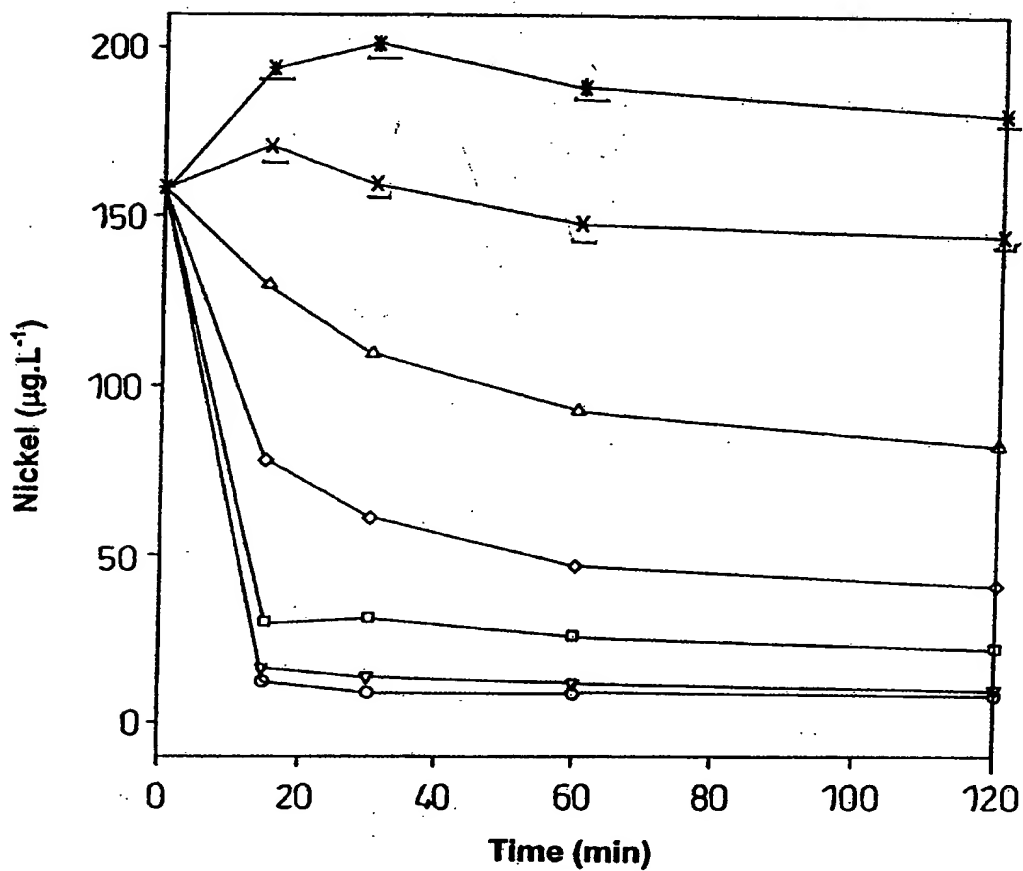
5'-GTGTTGCAGTTGTAGTCCCACTTGAGTATCTTGGATTTCGTTGCATTGGT  
CCTTGGTCCATCGTCCTGCATAGATCAATGGGAGAATATCTTTGGAAGAA  
GAAAGCGCAACGGCAAAAAAGANAACGAATATGGAGTAAGACACAACCT  
GTTTGTTTTTTGAAGACATAAGAGTGAATAATCTCAAACACATGTCCGAGA  
GCCAATATACCAAAGTACAATGATGGTAGATAGTGGGTGCAAAAATAGCT  
GACGGGCCATAAGGAAAGATGGCAAGTAATGCAGTACCCATCCTAGGAT  
GTAATGAAGCATTGTAACATTGAAGTTGAACACAGTTGGGTCAACGCTGA  
ACCCAAAACCTCTTTGCCATCTCAGAATAGAGAAAACCAAAAAGACAGA  
GAACAAAGCA-3'

**Fig. 17**

SEQ ID NO:8



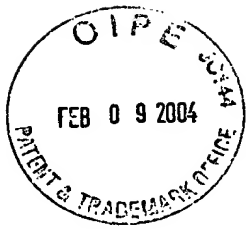
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- pH 4.0
- ▽ pH 4.5
- pH 5.0
- ◇ pH 5.5
- △ pH 6.0
- x pH 6.5
- \* pH 7.0

***Fig. 9***

Figure 9



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5'-GATTGGCAGAAGAGGTATCTGCTTATGGACATGAGGGGCTTTGGCGGT  
GATGCCAATGATGACTTTGTTGTGGAGATTGCCAAGGATCTTTCAACTAC  
TGAAGAAGCTAAGGAAAACGTTAGGGCCATTCAAAGTGTCTTTTAGATTGA  
GACATGCGATGACTGGTTGTTACTTGTCTCCACGAAGTCAAGCTTCCC  
AAGTGGGCATATGAGCAACAAGAGGTTACTTGTGCTACTCAAGGTATCAA  
ACCCTATCTTACTGGTACGTTGAGACCAACGAAAACCCATTCTTGGATAA  
AGAGGTTGATGAAATAGTTAGCTATCCTGTTCCGACTTTCTTTCAAAGGTT  
GCCGACTCACGCCAGAATGTGGAAGATCAACAAGGCTTACTGATCATATG  
CTATGAATCCAGTCCAGATCTTGG-3'

**Fig. 10**

SEQ ID NO:1

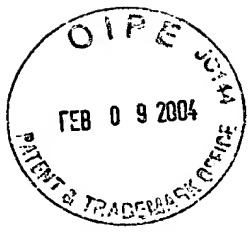


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5'-GTGTTGCAGTTGTAGTCCCACTTGAGTATCTTGGATTCGTTGCATTGGT  
CCTTGGTCCATCGTCCTGCATAGATCAATGGGAGAATATCTTTGGAAGAT  
AGAAAGCGCAACGGCAAAAAAGAGAACGAATATGGAGTAAGACACAACC  
TGTTTGTTTTTGAAGACATAAGAGTGAATAATCTCAAACACATGTCCGAG  
AGCCAATATACCAAAGTACAATGATGGTAGATAGTGGTGCAAAAATAGCT  
GACGGGCCATAAGGGAAAGATGGCAAGTAATGCAGTACCCATCCTAGGA  
TGTAATGAAGCATTTGAACATTGAAGTTGAGCACAGTTGGGTCAACGCTG  
AACCCAAAACCTCTTTGCCTCTCAGAATAGAGAAACCAAAAAGACAGAG  
AACAAAGCATACTTGCGGTGACTGTCACCAAGTGACAGCATTCCTATGAA  
ATAAATTG-3'

**Fig. 11**

SEQ ID NO:2



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5'-TACGTTATGGATGTGCATCCACTTCCTGAAGCTTCTCATCGGCAACCTT  
TTGAATCTGCAATTTATTATCTTCATTGAAGGCAAGCTTGAACACTTTGAC  
GGTAGAAAGACGAGCGACAACCAAGAATTGCCCGTCAGAAGTGAGATCA  
CAATGGGTGATGTTGTCCTCATCGCTTAGGACCAGTTTGGCTAATAGTTTT  
CTGCCTTGCTGAGGAAGGACTTTCCATACTTTAATGGTTTGGTCTTGCCCA  
TGATCACCAGCTTCTGGGATTTATTGAAAAGGACAGTTTGATCGTTTCAG  
GGAATACTGACAGTCTTTGAATTTTCGCAGTCTTGAAACGATTCAGCTTAG  
AAACGGCTATGTCTGACAATGATGCTTCAGATAGTACAGATCGAGGTCCT  
GGATTGG-3'

**Fig. 12**

SEQ ID NO:3



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5'-GCGCAGGTGACTTCTTGCTGGAAAATGTGCTACAAGGAGGTAAAGACC  
GTGTCATTGAGGGCCTGGTTTGGTCTACTTATGACGATTACCCTCGTCGTC  
TGTTTTCCATTGGTGGTTCGACTGTGATGACCGAATGGGATATTGCTACCG  
GTTTGCCCTTAAACAACACTACGATTGTAACCTCCGGTATCACCTGGAGTATC  
AGCATCAACACAACACTCAGGATAAGATATGCGTAGGCTGTGACAATGGAA  
CTGTAGTCGTTATTGACATAAGTGGTGGACCGGGATCTCTAGTATAAGAA  
AATTGTATCCGGATGTTCTGATGGCCGATAAGGATATGGAATACGAGGAA  
G-3'

**Fig. 13**

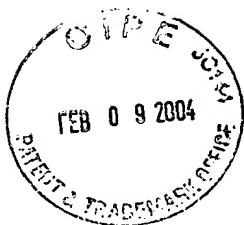
SEQ ID NO:4



5'-GTATTGCAGTTGTAGTCCCAGAATGAATTGCTCTTTTAATTGTTCTTTTT  
GGCTGGAGAAGTGCTCGTATGTCTTGATCGATGAGATACAGCTGAGATTT  
AAGTTGTTCTAGGTTGATAGTTGAATGTTTCAGAGTTGAGGGGTTCCATGG  
TCAAGTATAGGAGGATCCAGCTCATCTAGGGAGTGGAATTGAGTACTGAC  
ACTCATTACTGGAAGAAGTAGAAAGAGTACTGGTTTTGTGGTAAGTTCCA  
TATTTTCAGATGTCTGTAGATGGTCGAGCGAGGTGAACATTTTCATAGGAGA  
TTTCAGAGGAGTTGGACTTTGAAAATGGTGACAAAAGGTAGACAGAAGA  
AAGGTTAGAGAGTGCAGTGATTCAAGGTGGTTGCAGAAGTCC-3'

**Fig. 14**

SEQ ID NO:5



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5'-TTGAGACATGCTATGACGGGTCAAGTTTTTTAGATAAAAGTTGGACTCTTG  
GGCATGAGCGCATCCTCACATCGGCCATAGCAGATAAACGGTAGCAGTTT  
TTTTGAACGAGGCTGTAAGATAGGGGAATCTCCGTTTTTAGGCTTTCAGTG  
ACTTGTTGCATCGCAATGGGTAGATATGTTTACCAGTGGCAAAAGCTCTG  
GATGCTATGAAACTGACCAAATGTGGATTAGAACTTGGAGTCTAACTATT  
TGACTCTAAGAATTTCCAATTTTTGCCTTCTACTAGCCATTTTCTACTTTC  
ATGGGACATCATCACTTATTTGCTCCCCAACCTGTCAAATACCCACCAAT  
GTTCAAGGTCG-3'

**Fig. 15**

SEQ ID NO:6





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5'-AGATTGAGACATGCTATGACGGGTTGTTACTTGTTCTCCCGCGAAGTCA  
AGCTTCCCAAGTGGGCATATGAGCAACAAGAGGTTACTTGTGCTACTCAA  
GGGTATCAAACCACTATCTTACTGGTACGTTGAGACCAACGAAAACCCAT  
TCTTGGATAAAGAGGTTGATGAAATAGTTAGCTATCCTGTTCCGACTTTCT  
TTCAAAAGGTTGCCGAGCTACACGCCAGAATGTGGAAGATCAACAAGGG  
CTTAAGTATCATCATGTCTATGAATCCAGTCCAGATTCTTGGCCCTTCCT  
GTCAGAGGTATAAGCTACTGGTCAAAAAATCACTCCAAATTATTTCATAG  
GTAATGCTGCACTTGGTGGACAGTCACCGAAGTTTG-3'

**Fig. 16**

SEQ ID NO:7



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5'-GTGTTGCAGTTGTAGTCCCACTTGAGTATCTTGGATTTCGTTGCATTGGT  
CCTTGGTCCATCGTCCTGCATAGATCAATGGGAGAATATCTTTGGAAGAA  
GAAAGCGCAACGGCAAAAAAGANAACGAATATGGAGTAAGACACAACCT  
GTTTGTTTTTTGAAGACATAAGAGTGAATAATCTCAAACACATGTCCGAGA  
GCCAATATACCAAAGTACAATGATGGTAGATAGTGGGTGCAAAAATAGCT  
GACGGGCCATAAGGAAAGATGGCAAGTAATGCAGTACCCATCCTAGGAT  
GTAATGAAGCATTGTAACATTGAAGTTGAACACAGTTGGGTCAACGCTGA  
ACCCAAAACCTCTTTGCCATCTCAGAATAGAGAAAACCAAAAAGACAGA  
GAACAAAGCA-3'

**Fig. 17**

SEQ ID NO:8